

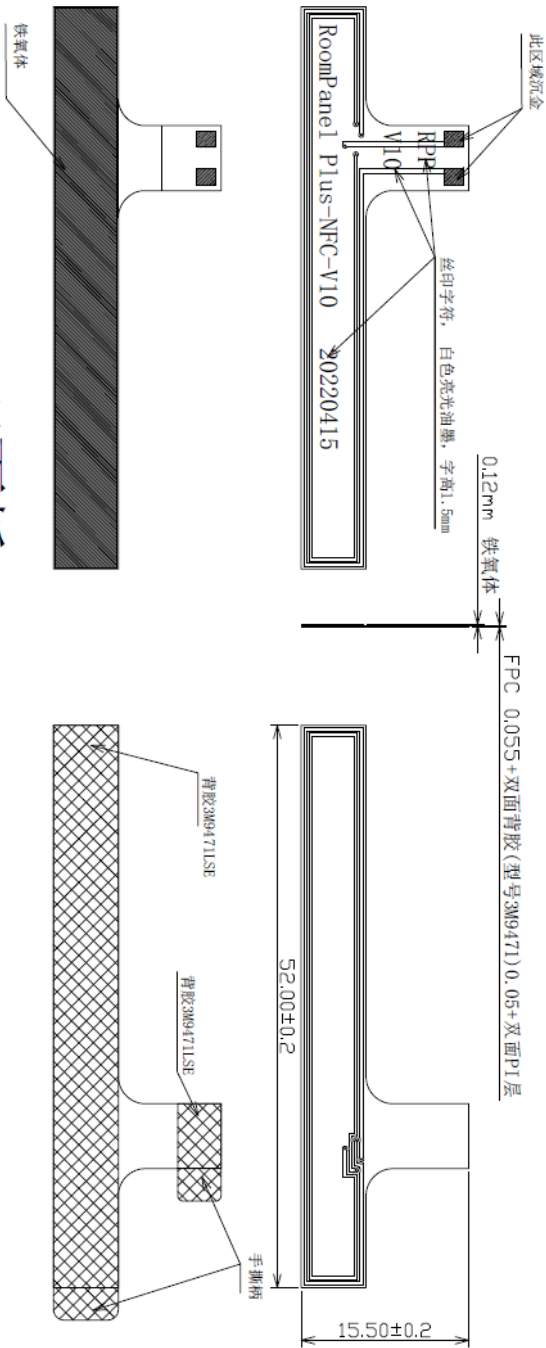
Zhejiang Haitong Communication Electronics Co., LTD

No. 1607 Binhai Road, Binhai Park, Economic and Technological Development Zone, Wenzhou, Zhejiang, China



LAB ☒ QE ☐ OQC ☒ IPQC ☒ IQC ☐ 注塑 ☐ 冲压 ☒ 组装 ☒

NO.	DESCRIPTION	DESIGN	DATE
A	初版发行	ZYY	2022.05.09
	修改路径	ZYY	



双面板

- 注:
1. 组件应当符合所有3D数据;
 2. 组件, 参考爆炸图;
 3. 组装后无明显外观不良;
 4. 需通过HAITONG品质部门要求的各项测试;
 5. 零件标记, 按指定位置;
 6. 尺寸要求:

6.1. ST尺寸, 测量最小量为500中选取的任意35个产品的尺寸作Dk分析;

6.2. * 尺寸为重点管控尺寸

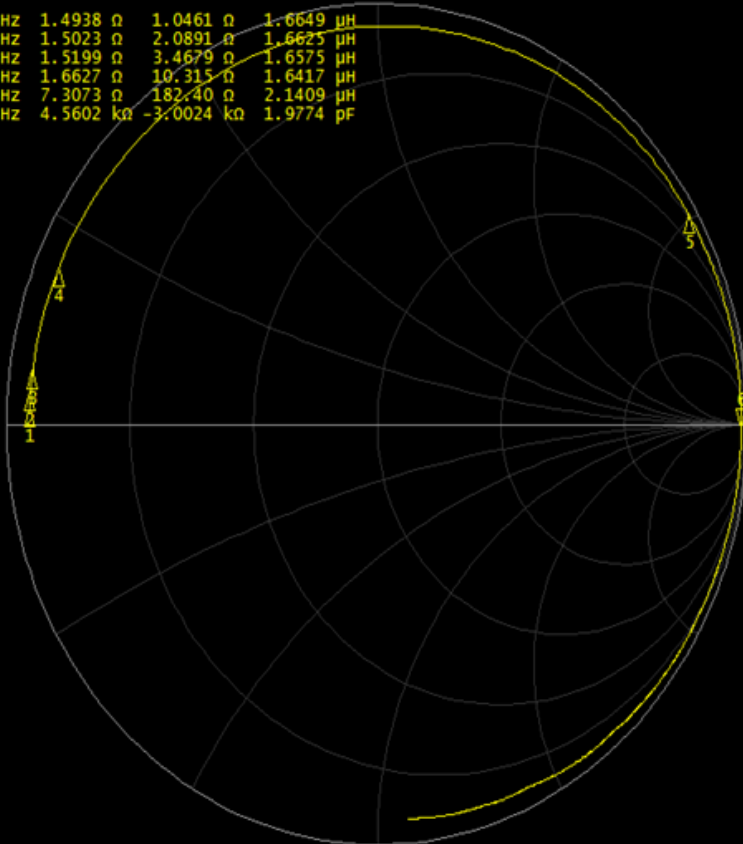
7. 首批样品, 随机挑选5PCS做全尺寸测量, 报告及样品需转交HAITONG品质部;
8. 任何用料上的修改必须通过HT工程部门的书面同意;
9. 产品必须符合(RoHS/HF/REACH)的要求;

浙江海通通讯电子股份有限公司 Zhejiang Haitong Communications Electronic Limited by Share Ltd.									
PROJECT NAME: HT1899									
PRODUCT NAME: HT1899-NFC									
NO TOLERANCE NOTED									
ONE PLACE	X.X			HT成品码:		B. I. 10. L. 0014			
TWO PLACE	X.XX	CHRD:		HT半成品码:					
ANGULAR DIM	X.°	DRW:		客户编码:					
HOLE DIA	X.X								
	X.X								
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SCALE:		FULL		PAGE: 1/1		REV: A			
UNIT:		mm		SIZE: A4		DRAWING NO:			

Test item		Reference value	Test value
Antenna @1MHz	Inductance value	1.5~4uH	1.64uH
	Real part of impedance		1.66R
	Imaginary part of impedance	-	10.32R
	Q value		6.20
Antenna @13.56MHz	Inductance value	1.5~4uH	2.14uH
	Real part of impedance		7.31R
	Imaginary part of impedance	-	182.40R
	Q value		24.96
Antenna parameter Imaginary part =0 frequency	frequency		26.81MHz
	Real part of impedance		4.56KR

▶ **ir1** S33 Smith (R+jX) Scale 1.000u

1	100.00000 kHz	1.4938 Ω	1.0461 Ω	1.6649 μH
2	200.00000 kHz	1.5023 Ω	2.0891 Ω	1.6625 μH
3	333.00000 kHz	1.5199 Ω	3.4679 Ω	1.6575 μH
4	1.0000000 MHz	1.6627 Ω	10.315 Ω	1.6417 μH
5	13.560000 MHz	7.3073 Ω	182.40 Ω	2.1409 μH
>6	26.807823 MHz	4.5602 $k\Omega$	-3.0024 $k\Omega$	1.9774 pF



1 Start 100 kHz

IFBW 70 kHz

Stop 100 MHz PExt

Meas Stop ExtRef Svc 2022-08-12 10:59

Save/Recall

Save State

Recall State

Recall by
File Name

Save Channel

Recall Channel

Save Type
State & CalChannel/Trace
Disp OnlyAuto Trig Source
ONSave
Trace Data...

Save SnP

Explorer

Return

1. 平行读卡极限距离测试

1.1. 同轴垂直极限高度

1.2. 共面水平四个方向的极限距离(0° / 90° / 180° / 270°)

2. 倾斜读卡极限距离测试

2.1. 同轴垂直极限高度

2.2. 水平四个方向的极限距离(0° / 90° / 180° / 270°)

1. Test the limit distance of parallel reading card

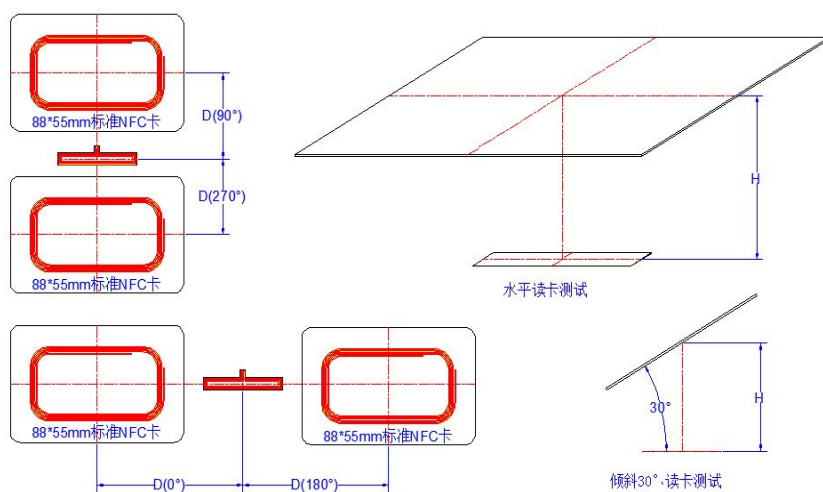
1.1. Coaxial vertical limit height

1.2. Limit distance in four directions of coplanar horizontal ($0^\circ/90^\circ/180^\circ/270^\circ$)

2. Tilt card reading limit distance test

2.1. Coaxial vertical limit height

2.2. Limit distance in four horizontal directions ($0^\circ/90^\circ/180^\circ/270^\circ$)



Parallel reading card limit distance test					
85*55 standard NFC card	Coaxial vertical distance	Horizontal 0°	Horizontal 90°	Horizontal 180°	Horizontal 270°
RoomPenal Plus (mm)	30	40	20	35	30

Tilt 30° reading limit distance test					
85*55 standard NFC card	Coaxial vertical distance	Horizontal 0°	Horizontal 90°	Horizontal 180°	Horizontal 270°
RoomPenal Plus (mm)	30	20	5	20	30